

AMENDMENTS TO AND LISTING OF THE CLAIMS

1. (Currently amended) A toothbrush for creating a whitening effect on a user's teeth, said toothbrush comprising:

a handle;

a cleaning head attached to said handle, said cleaning head having an outer surface;

cleaning elements on said cleaning head extending outwardly from said outer surface, said cleaning elements being located in a cleaning field, ~~said toothbrush having;~~

an ultra-violet light source in said handle, ~~and said ultraviolet light having;~~

~~an~~ a plurality of emitters in said cleaning field to radiate ultra-violet light toward the user's teeth for activating an optical brightener on the user's teeth to create a visual whitening effect; and

a plurality of light pipes, each light pipe transmitting ultraviolet light from said ultra-violet light source to one of said plurality of emitters.

2. (Currently amended) The toothbrush of claim 1, wherein said handle is hollow, ~~said ultraviolet light having a light source in said handle, and light transmission structure transmitting the ultraviolet light to said emitter.~~

3. (Currently amended) The toothbrush of claim ~~2~~ 1, wherein said ultra-violet light source is a miniature ~~UV~~ ultraviolet bulb.

4. (Currently amended) The toothbrush of claim ~~2~~ 1, wherein said ultra-violet light source ~~is UV~~ includes one or more ultraviolet emitting LED's light emitting diodes.

5. (Withdrawn-currently amended) The toothbrush of claim ~~4~~ 1, ~~wherein said further comprising at least one LED light emitting diode is surface~~ mounted to said toothbrush.

6. (Withdrawn-currently amended) The toothbrush of claim 5, wherein said at least one ~~LED light emitting diode~~ has a wavelength of 350-410 nm.

7. (Currently amended) The toothbrush of claim ~~2~~ 1, wherein said toothbrush is a manual toothbrush.

8. (Currently amended) The toothbrush of claim 7, wherein said ultra-violet light source is selectively actuated by a switch on said handle.

9. (Withdrawn-currently amended) The toothbrush of claim ~~2~~ 1, wherein said toothbrush is a powered toothbrush having a movable cleaning element carrying section in said cleaning head.

10. (Withdrawn-currently amended) The toothbrush of claim 9, wherein said ultra-violet light source is selectively actuated by a switch on said handle.

11. (Withdrawn) The toothbrush of claim 10, wherein said switch also actuates said movable section.

12. (Withdrawn-currently amended) The toothbrush of claim 9, wherein said cleaning head also includes a non-movable fixed section having cleaning elements, and said plurality of emitters is located in said fixed section.

13. (Currently amended) The toothbrush of claim 1, wherein said plurality of emitters emits ~~UV~~ultraviolet light from plural locations in said cleaning field.

14. (Original) The toothbrush of claim 1, wherein at least some of said cleaning elements are bristles.

15. (Withdrawn) A method for creating a whitening effect on a user's teeth comprising incorporating in a carrier an optical brightener which is capable of attaching to the teeth and which has the characteristic of having a whitening effect in the presence of UV light, applying the carrier to the user's teeth, attaching the brightener to the user's teeth, radiating UV light from a UV light source toward the user's teeth, and creating a whitening effect by the UV light activating the brightener.

16. (Withdrawn) The method of claim 15, wherein the UV light source is in a toothbrush.

17. (Withdrawn) The method of claim 16, wherein the carrier is toothpaste applied to the toothbrush.

18. (Withdrawn) The method of claim 17, wherein the toothpaste includes an adhering agent which adheres to the teeth and the brightener adheres to the adhering agent.

19. (Withdrawn) The method of claim 17, wherein the adhering agent is gantrez.

20. (Withdrawn) The method of claim 16, wherein the UV light source is selectively activated by a switch.

21. (Withdrawn) The method of claim 16, wherein the toothbrush is a manual toothbrush.

22. (Withdrawn) The method of claim 16, wherein the toothbrush is a powered toothbrush.

23. (New) The toothbrush of claim 1, wherein said light pipes include fiber optic devices.